

Materials List for:

Rearing and Double-stranded RNA-mediated Gene Knockdown in the Hide Beetle, *Dermestes maculatus*

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Materials

Name	Company	Catalog Number	Comments
<i>Dermestes maculatus</i> live beetles	Our lab or Carolina Biological Supply	#144168	Our lab strain was verified by COI barcoding; strain variation from Carolina cannot be ruled out
Wet cat food	Fancy Feast		Chunks of meat with gravy. Can buy at most pet food and grocery stores
Dry dog food	Purina Puppy Chow		Can buy at most pet food and grocery stores
Insect cage (size medium, 30.5 x 19 x 20.3 cm)	Exo Terra	PT2260	For colony maintenance. Can use larger cage if needed
Insect cage (size mini, 17.8 x 10.2 x 12.7 cm)	Exo Terra	PT2250	For embryo collection
Petri dish	VWR	89038-968	
Cotton ball	Fisher	22-456-883	
Megascript T7 transcription kit	Fisher	AM1334	For 40 reactions
Pneumatic pump	WPI	PV830	
Capillary holder	WPI		
Micromanipulator	NARISHIGE	MN-151	
Black filter paper (90 mm)	VWR	28342-010	
Food coloring (green)	McCormick		
Borosilicate glass capillary	Hilgenberg	1406119	
Needle puller (micropipette puller)	Sutter Instrument Co.	P-97	
Microscope glass slide	WorldWide Life Sciences Division	41351157	
Sealing film (Parafilm M)	Fisher	13-374-12	
Model 801 Syringe (10 µl)	Hamilton	7642-01	
Needle (32-gauge)	Hamilton	7762-05	
Fixation Solution (Pampel's)	BioQuip Products, Inc.	1184C	Toxic, needs to be handled in fume hood
Forcep (DUMONT #5)	Fine Science Tools	11252-30	
Cover slip (24 x 50 mm, No. 1.5)	Globe Scientific	1415-15	
Eppendorf Femtotips Microloader pipette tip	Fisher	E5242956003	
Dissecting microscopy for embryo injection	Leica	M420	
Dissecting microscopy for larval phenotypic visualization	Zeiss	SteREO Discover. V12	
DIC microscopy	Zeiss	AXIO Imager. M1	